

AMENDMENTS TO THE CLAIMS

Claims 1-15 (Cancelled)

Claim 16 (New) A content distribution system comprising a server that stores a content containing a plurality of resources and comprising a receiving terminal that receives the content distributed from the server,

wherein the content includes:

an upper-level resource that is first referred to among the plurality of resources contained in the content;

at least one lower-level resource to be referred to from the upper-level resource;
and

a startup document including (i) reference destination information of the upper-level resource, (ii) content identification information identifying the content, (iii) a plurality of pieces of license information about view licenses for making the content usable, (iv) resource-corresponding information causing the plurality of resources contained in the content to correspond to decryption keys included in the view licenses and required for decryption, and (v) sub-licenses when the content corresponds to the sub-licenses, such that:

each of the sub-licenses is data in which files, having the plurality of resources encrypted by keys and the keys further encrypted by a common key, are managed together;

the content corresponds to the content identification information identifying the content;

each of the plurality of pieces of license information includes (i) license identification information that is unique information identifying a corresponding view license of the view licenses, and (ii) when the corresponding view license makes a corresponding sub-license of the sub-licenses usable, resource identification information of the corresponding sub-license;

each of the view licenses is stored in the server and each respective view license of the view licenses includes (i) the license identification information that is unique information identifying the respective view license, (ii) a usage rule representing a condition regarding a view period and a condition regarding a view limitation, and (iii) a key bunch of decryption keys for decoding the content or the corresponding sub-license when encrypted;

the resource-corresponding information includes, for each of the plurality of the pieces of license information, a name of the resource identification information of the corresponding sub-license and identification information of a corresponding decryption key of the decryption keys included in the view licenses;

at least one of the resources contained in the content includes other-content link information for accessing a resource contained in another content, the other-content link information describing information referring to the startup document of the another content;

at least one of the resources contained in the content includes self-content link information for accessing a resource contained in the content, the self-content link describing information referring to the resource for which the self-content link information is for accessing; and

each respective sub-license of the sub-licenses includes (i) sub-license identification information that is unique information identifying the respective sub-license, (ii)

the license identification information that is unique information identifying the corresponding view license, (iii) a usage rule that represents a condition regarding a view period and a condition regarding a view limitation when the respective sub-license is used, and (iv) a key bunch of decryption keys for decoding the content when encrypted,

wherein the receiving terminal comprises:

a first request section that (i) when a user has given an instruction to switch a view target based on the other-content link information included in the at least one of the resources, transmits, to the server, the information referring to the startup document of the another content described in the other-content link information so as to request the startup document of the another content, and (ii) when the user has given an instruction to switch a view target based on the self-content link information included in the at least one of the resources, transmits, to the server, the information referring to the resource for which the self-content link information is for accessing and described in the self-content link information so as to request the resource for which the self-content link information is for accessing;

a view license setting section that (a) when the startup document of the another content has been received from the server, stores, in the receiving terminal, the resource-corresponding information included in the received startup document, selects a piece of license information from the plurality of pieces of license information included in the received startup document, acquires the view license corresponding to the license identification information described in the selected piece of license information, and stores the acquired view license in the receiving terminal, and (b) when the selected piece of license information includes the resource identification information of the corresponding sub-license, further acquires, from the server, the

corresponding sub-license identified by the resource identification information of the selected piece of license information and stores the acquired sub-license in the receiving terminal;

a second request section that, after the view license setting section performs (a) and (b), extracts the reference destination information of the upper-level resource described in the received startup document and transmits the extracted reference destination information to the server so as to request the upper-level resource; and

a presentation section that (i) when the content does not correspond to any sub-license of the sub-licenses when the resource for which the self-content link information is for accessing has been received from the server, decrypts encryption of the resource for which the self-content link information is for accessing using the decryption key uniquely specified based on the resource-corresponding information stored in advance in the receiving terminal and presents the encrypted resource, (ii) when the content corresponds to a sub-license of the sub-licenses, decrypts encryption of the sub-license corresponding to the content using the decryption key, decrypts encryption of a resource of the plurality of resources using at least one of the decryption keys included in the decrypted sub-license, and presents the decrypted resource, (iii) when the content does not correspond to any sub-license of the sub-licenses when the upper-level resource has been received from the server, decrypts encryption of the upper-level resource using the decryption key uniquely specified based on the resource-corresponding information newly stored in the receiving terminal by the view license setting section and presents the decrypted upper-level resource, and (iv) when the content corresponds to a sub-license of the sub-licenses, decrypts encryption of the sub-license corresponding to the content using the decryption key, decrypts encryption of the upper-level resource using at least one of the decryption keys included in the decrypted sub-license, and presents the decrypted upper-level resource, and

wherein the server comprises:

a first transmission section that (i) when a request for the startup document has been received from the first request section of the receiving terminal, transmits, to the receiving terminal, the startup document referred to by the information transmitted from the first request section and referring to the startup document, and (ii) when a request for the resource for which the self-content link information is for accessing has been received, transmits, to the receiving terminal, the resource for which the self-content link information is for accessing and referred to by the information transmitted from the first request section and referring to the resource for which the self-content link information is for accessing; and

a second transmission section that, when a request for the upper-level resource has been received from the second request section of the receiving terminal, transmits, to the receiving terminal, the upper-level resource referred to by the extracted reference destination information transmitted from the second request section.

Claim 17 (New) A server that stores a content to be distributed to a receiving terminal, the content containing a plurality of resources,

wherein the content includes:

an upper-level resource that is first referred to among the plurality of resources contained in the content;

at least one lower-level resource to be referred to from the upper-level resource; and

a startup document including (i) reference destination information of the upper-level resource, (ii) content identification information identifying the content, (iii) a plurality of

pieces of license information about view licenses for making the content usable, (iv) resource-corresponding information causing the plurality of resources contained in the content to correspond to decryption keys included in the view licenses and required for decryption, and (v) sub-licenses when the content corresponds to the sub-licenses, such that:

each of the sub-licenses is data in which files, having the plurality of resources encrypted by keys and the keys further encrypted by a common key, are managed together;

the content corresponds to the content identification information identifying the content;

each of the plurality of pieces of license information includes (i) license identification information that is unique information identifying a corresponding view license of the view licenses, and (ii) when the corresponding view license makes a corresponding sub-license of the sub-licenses usable, resource identification information of the corresponding sub-license;

each of the view licenses is stored in the server and each respective view license of the view licenses includes (i) the license identification information that is unique information identifying the respective view license, (ii) a usage rule representing a condition regarding a view period and a condition regarding a view limitation, and (iii) a key bunch of decryption keys for decoding the content or the corresponding sub-license when encrypted;

the resource-corresponding information includes, for each of the plurality of the pieces of license information, a name of the resource identification information of the corresponding sub-license and identification information of a corresponding decryption key of the decryption keys included in the view licenses;

at least one of the resources contained in the content includes other-content link information for accessing a resource contained in another content, the other-content link information describing information referring to the startup document of the another content;

at least one of the resources contained in the content includes self-content link information for accessing a resource contained in the content, the self-content link describing information referring to the resource for which the self-content link information is for accessing; and

each respective sub-license of the sub-licenses includes (i) sub-license identification information that is unique information identifying the respective sub-license, (ii) the license identification information that is unique information identifying the corresponding view license, (iii) a usage rule that represents a condition regarding a view period and a condition regarding a view limitation when the respective sub-license is used, and (iv) a key bunch of decryption keys for decoding the content when encrypted, and

wherein the server comprises:

a first transmission section that (i) when a request for the startup document has been received from the receiving terminal, transmits, to the receiving terminal, the startup document referred to by the information referring to the startup document, and (ii) when a request for the resource for which the self-content link information is for accessing has been received, transmits, to the receiving terminal, the resource for which the self-content link information is for accessing; and

a second transmission section that, when a request for the upper-level resource has been received from the receiving terminal, transmits, to the receiving terminal, the upper-

level resource referred to by the reference destination information included in the request for the upper-level resource.

Claim 18 (New) A receiving terminal that receives a content distributed from a server that

stores the content, the content containing a plurality of resources,

wherein the content includes:

an upper-level resource that is first referred to among the plurality of resources contained in the content;

at least one lower-level resource to be referred to from the upper-level resource;

and

a startup document including (i) reference destination information of the upper-level resource, (ii) content identification information identifying the content, (iii) a plurality of pieces of license information about view licenses for making the content usable, (iv) resource-corresponding information causing the plurality of resources contained in the content to correspond to decryption keys included in the view licenses and required for decryption, and (v) sub-licenses when the content corresponds to the sub-licenses, such that:

each of the sub-licenses is data in which files, having the plurality of resources encrypted by keys and the keys further encrypted by a common key, are managed together;

the content corresponds to the content identification information identifying the content;

each of the plurality of pieces of license information includes (i) license identification information that is unique information identifying a corresponding view license of

the view licenses, and (ii) when the corresponding view license makes a corresponding sub-license of the sub-licenses usable, resource identification information of the corresponding sub-license;

each of the view licenses is stored in the server and each respective view license of the view licenses includes (i) the license identification information that is unique information identifying the respective view license, (ii) a usage rule representing a condition regarding a view period and a condition regarding a view limitation, and (iii) a key bunch of decryption keys for decoding the content or the corresponding sub-license when encrypted;

the resource-corresponding information includes, for each of the plurality of the pieces of license information, a name of the resource identification information of the corresponding sub-license and identification information of a corresponding decryption key of the decryption keys included in the view licenses;

at least one of the resources contained in the content includes other-content link information for accessing a resource contained in another content, the other-content link information describing information referring to the startup document of the another content;

at least one of the resources contained in the content includes self-content link information for accessing a resource contained in the content, the self-content link describing information referring to the resource for which the self-content link information is for accessing; and

each respective sub-license of the sub-licenses includes (i) sub-license identification information that is unique information identifying the respective sub-license, (ii) the license identification information that is unique information identifying the corresponding view license, (iii) a usage rule that represents a condition regarding a view period and a condition

regarding a view limitation when the respective sub-license is used, and (iv) a key bunch of decryption keys for decoding the content when encrypted, and

wherein the receiving terminal comprises:

a first request section that (i) when a user has given an instruction to switch a view target based on the other-content link information included in the at least one of the resources, transmits, to the server, the information referring to the startup document of the another content described in the other-content link information so as to request the startup document of the another content, and (ii) when the user has given an instruction to switch a view target based on the self-content link information included in the at least one of the resources, transmits, to the server, the information referring to the resource for which the self-content link information is for accessing and described in the self-content link information so as to request the resource for which the self-content link information is for accessing;

a view license setting section that (a) when the startup document of the another content has been received from the server, stores, in the receiving terminal, the resource-corresponding information included in the received startup document, selects a piece of license information from the plurality of pieces of license information included in the received startup document, acquires the view license corresponding to the license identification information described in the selected piece of license information, and stores the acquired view license in the receiving terminal, and (b) when the selected piece of license information includes the resource identification information of the corresponding sub-license, further acquires, from the server, the corresponding sub-license identified by the resource identification information of the selected piece of license information and stores the acquired sub-license in the receiving terminal;

a second request section that, after the view license setting section performs (a) and (b), extracts the reference destination information of the upper-level resource described in the received startup document and transmits the extracted reference destination information to the server so as to request the upper-level resource; and

a presentation section that (i) when the content does not correspond to any sub-license of the sub-licenses when the resource for which the self-content link information is for accessing has been received from the server, decrypts encryption of the resource for which the self-content link information is for accessing using the decryption key uniquely specified based on the resource-corresponding information stored in advance in the receiving terminal and presents the encrypted resource, (ii) when the content corresponds to a sub-license of the sub-licenses, decrypts encryption of the sub-license corresponding to the content using the decryption key, decrypts encryption of a resource of the plurality of resources using at least one of the decryption keys included in the decrypted sub-license, and presents the decrypted resource, (iii) when the content does not correspond to any sub-license of the sub-licenses when the upper-level resource has been received from the server, decrypts encryption of the upper-level resource using the decryption key uniquely specified based on the resource-corresponding information newly stored in the receiving terminal by the view license setting section and presents the decrypted upper-level resource, and (iv) when the content corresponds to a sub-license of the sub-licenses, decrypts encryption of the sub-license corresponding to the content using the decryption key, decrypts encryption of the upper-level resource using at least one of the decryption keys included in the decrypted sub-license, and presents the decrypted upper-level resource.

Claim 19 (New) A computer-readable storage medium having a server program stored thereon, the server program to be executed by a server that stores a content to be distributed to a receiving terminal, the content containing a plurality of resources,

wherein the content includes:

an upper-level resource that is first referred to among the plurality of resources contained in the content;

at least one lower-level resource to be referred to from the upper-level resource;

and

a startup document including (i) reference destination information of the upper-level resource, (ii) content identification information identifying the content, (iii) a plurality of pieces of license information about view licenses for making the content usable, (iv) resource-corresponding information causing the plurality of resources contained in the content to correspond to decryption keys included in the view licenses and required for decryption, and (v) sub-licenses when the content corresponds to the sub-licenses, such that:

each of the sub-licenses is data in which files, having the plurality of resources encrypted by keys and the keys further encrypted by a common key, are managed together;

the content corresponds to the content identification information identifying the content;

each of the plurality of pieces of license information includes (i) license identification information that is unique information identifying a corresponding view license of the view licenses, and (ii) when the corresponding view license makes a corresponding sub-

license of the sub-licenses usable, resource identification information of the corresponding sub-license;

each of the view licenses is stored in the server and each respective view license of the view licenses includes (i) the license identification information that is unique information identifying the respective view license, (ii) a usage rule representing a condition regarding a view period and a condition regarding a view limitation, and (iii) a key bunch of decryption keys for decoding the content or the corresponding sub-license when encrypted;

the resource-corresponding information includes, for each of the plurality of the pieces of license information, a name of the resource identification information of the corresponding sub-license and identification information of a corresponding decryption key of the decryption keys included in the view licenses;

at least one of the resources contained in the content includes other-content link information for accessing a resource contained in another content, the other-content link information describing information referring to the startup document of the another content;

at least one of the resources contained in the content includes self-content link information for accessing a resource contained in the content, the self-content link describing information referring to the resource for which the self-content link information is for accessing; and

each respective sub-license of the sub-licenses includes (i) sub-license identification information that is unique information identifying the respective sub-license, (ii) the license identification information that is unique information identifying the corresponding view license, (iii) a usage rule that represents a condition regarding a view period and a condition

regarding a view limitation when the respective sub-license is used, and (iv) a key bunch of decryption keys for decoding the content when encrypted, and

wherein the server program causes the server to execute a method comprising:

a first transmission step of (i) when a request for the startup document has been received from the receiving terminal, transmitting, to the receiving terminal, the startup document referred to by the information referring to the startup document, and (ii) when a request for the resource for which the self-content link information is for accessing has been received, transmitting, to the receiving terminal, the resource for which the self-content link information is for accessing; and

a second transmission step of, when a request for the upper-level resource has been received from the receiving terminal, transmitting, to the receiving terminal, the upper-level resource referred to by the reference destination information included in the request for the upper-level resource.

Claim 20 (New) A computer-readable storage medium having receiving terminal program stored thereon, the receiving terminal program to be executed by a receiving terminal that receives a content distributed from a server that stores the content, the content containing a plurality of resources,

wherein the content includes:

an upper-level resource that is first referred to among the plurality of resources contained in the content;

at least one lower-level resource to be referred to from the upper-level resource;
and

a startup document including (i) reference destination information of the upper-level resource, (ii) content identification information identifying the content, (iii) a plurality of pieces of license information about view licenses for making the content usable, (iv) resource-corresponding information causing the plurality of resources contained in the content to correspond to decryption keys included in the view licenses and required for decryption, and (v) sub-licenses when the content corresponds to the sub-licenses, such that:

each of the sub-licenses is data in which files, having the plurality of resources encrypted by keys and the keys further encrypted by a common key, are managed together;

the content corresponds to the content identification information identifying the content;

each of the plurality of pieces of license information includes (i) license identification information that is unique information identifying a corresponding view license of the view licenses, and (ii) when the corresponding view license makes a corresponding sub-license of the sub-licenses usable, resource identification information of the corresponding sub-license;

each of the view licenses is stored in the server and each respective view license of the view licenses includes (i) the license identification information that is unique information identifying the respective view license, (ii) a usage rule representing a condition regarding a view period and a condition regarding a view limitation, and (iii) a key bunch of decryption keys for decoding the content or the corresponding sub-license when encrypted;

the resource-corresponding information includes, for each of the plurality of the pieces of license information, a name of the resource identification information of the

corresponding sub-license and identification information of a corresponding decryption key of the decryption keys included in the view licenses;

at least one of the resources contained in the content includes other-content link information for accessing a resource contained in another content, the other-content link information describing information referring to the startup document of the another content;

at least one of the resources contained in the content includes self-content link information for accessing a resource contained in the content, the self-content link describing information referring to the resource for which the self-content link information is for accessing; and

each respective sub-license of the sub-licenses includes (i) sub-license identification information that is unique information identifying the respective sub-license, (ii) the license identification information that is unique information identifying the corresponding view license, (iii) a usage rule that represents a condition regarding a view period and a condition regarding a view limitation when the respective sub-license is used, and (iv) a key bunch of decryption keys for decoding the content when encrypted, and

wherein the receiving terminal program causes the receiving terminal to execute a method comprising:

a first request step of (i) when a user has given an instruction to switch a view target based on the other-content link information included in the at least one of the resources, transmitting, to the server, the information referring to the startup document of the another content described in the other-content link information so as to request the startup document of the another content, and (ii) when the user has given an instruction to switch a view target based on the self-content link information included in the at least one of the resources, transmitting, to

the server, the information referring to the resource for which the self-content link information is for accessing and described in the self-content link information so as to request the resource for which the self-content link information is for accessing;

a view license setting step of (a) when the startup document of the another content has been received from the server, storing, in the receiving terminal, the resource-corresponding information included in the received startup document, selecting a piece of license information from the plurality of pieces of license information included in the received startup document, acquiring the view license corresponding to the license identification information described in the selected piece of license information, and storing the acquired view license in the receiving terminal, and (b) when the selected piece of license information includes the resource identification information of the corresponding sub-license, further acquiring, from the server, the corresponding sub-license identified by the resource identification information of the selected piece of license information and storing the acquired sub-license in the receiving terminal;

a second request step of, after the view license setting step performs (a) and (b), extracting the reference destination information of the upper-level resource described in the received startup document and transmitting the extracted reference destination information to the server so as to request the upper-level resource; and

a presentation step of (i) when the content does not correspond to any sub-license of the sub-licenses when the resource for which the self-content link information is for accessing has been received from the server, decrypting encryption of the resource for which the self-content link information is for accessing using the decryption key uniquely specified based on the resource-corresponding information stored in advance in the receiving terminal and presenting the encrypted resource, (ii) when the content corresponds to a sub-license of the sub-

licenses, decrypting encryption of the sub-license corresponding to the content using the decryption key, decrypting encryption of a resource of the plurality of resources using at least one of the decryption keys included in the decrypted sub-license, and presenting the decrypted resource, (iii) when the content does not correspond to any sub-license of the sub-licenses when the upper-level resource has been received from the server, decrypting encryption of the upper-level resource using the decryption key uniquely specified based on the resource-corresponding information newly stored in the receiving terminal by the view license setting section and presenting the decrypted upper-level resource, and (iv) when the content corresponds to a sub-license of the sub-licenses, decrypting encryption of the sub-license corresponding to the content using the decryption key, decrypting encryption of the upper-level resource using at least one of the decryption keys included in the decrypted sub-license, and presenting the decrypted upper-level resource.